

PACK RATS'

SCANNED TO PDF BY BERT, K3IUV.



PACK RATS

CLUB CALL: W3CCX

MT. AIRY VHF RADIO CLUB, INC.

CHEESE BITS



MT. AIRY VHF RADIO CLUB, INC., PHILADELPHIA, PENNSYLVANIA
50.125, 144.150, 220.125, 432.110, 1296.110 Mhz - W3CCX - Repeater 222.98/224.58 Mhz

Affiliated Club: AMERICAN RADIO RELAY LEAGUE

Meetings: Third Thursday of each month at 8:00 P.M.

Southampton Free Library, 947 E. Street Road

Southampton, Pennsylvania 19866

VOLUME XXX

MARCH, 1988

NUMBER 3

THE PREZ SEZ

Hello Pack-Rats: Congratulations to all the participants in the January Contest 2+ million points is an excellent showing for the club. Paul, WB3JYO, did a superb job as this year's contest chairman. I am sure he will be proud to accept another gavel in the club's long history of first place awards.

After the contest, 21 Pack-Rats attended the wrap-up meeting at Ron, WA3AXV's QTH. Checking and assembling the logs for shipment to the ARRL was so easy this year, we had time to hold a Board of Directors meeting after lunch. The topic was the new club competition rules on Page 86 of the January 88 QST. These new rules will affect the club in the January VHF SS. The one that will have the most effect on our club is the unlimited class competition rules. This rule states that in order to be eligible to submit a log all members must attend at least two club meetings per year. The March meeting is Homebrew Night. Have those projects you built for the January Contest to the February meeting so we can get a good look-see at them. This is a great opportunity to exchange ideas on projects. See you at the meeting.

73, Bob N2SB

* * *

VISITORS - MEETING FEB. 18, 1988

W3AJS, Ed Keener, Orelan, Pa.
XYL-WA3JUF - Barbara Mascaro, Ottsville, Pa.
WB2YEH - Bob Fisher, Pennsauken, N.J.
KA3QYH - Ron Wienig, Bensalem, Pa.
WA3WAK - Larry Chinofsky, Holland, Pa.
WA3NAY - George Jewseuskyj, Phila., Pa.
KA3KSD - Dave Mueller, Pittsburgh, Pa.

CHANGE OF ADDRESS

N2SB - Bob Cook
51 East Third Street
Moorestown, N.J. 08057

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given.

SWAP SHOP ITEMS - NO CHARGE

DEADLINE FOR ARTICLES IS THE GENERAL
MEMBERSHIP MEETING: THE THIRD THURSDAY
OF THE MONTH.

EDITOR:

W3CL, HARRY B. STEIN
2087 Parkdale Ave.
Glenside, Pa. 19038
215-887-5052

PUBLISHER/SUBSCRIPTION MANAGER:

K3GAS, DOC CUTLER
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215-635-1078

PRINTER:

WB2VLA, DAVID POWER
609-882-1040

TYPIST:

WA3TEM, MARSHA LISSAUER

TRUSTEE OF THE CLUB CALL - W3CCX:

WA3AXV, RONALD WHITSEL
215-355-5730

AWARDS CHAIRMAN:

W2EIF, JOSEPH KILGORE
609-783-9478

CLUB HISTORIAN:

W3CL, HARRY B. STEIN

MONDAY NIGHT NETS

7:30 PM - 50.125 MHz

8:00 PM - 144.150 MHz

8:30 PM - 222.98/224.58

8:30 PM - 220.125 MHz

9:00 PM - 432.110 MHz

9:30 PM - 1296.1 MHz

NET CONTROL

W3CL

W2EIF

K3GAS

KS2T/WB2NPE

WA2OMY/K1PXE

N3CX/WA3JUF/WA3NUF

PAVK RAT REPEATER 222.98/224.58 MHz -W3CCX
LOCATED IN CHURCHVILLE, PA.

OFFICERS: 1987 - 1988

PRESIDENT: N2SB, BOB COOK
VICE-PRES: N3CX, DAVE HACKFORD
COR. SECY: W3CXU, JOHN ALLEN
REC. SECY: WA3AQA, WALT ZUMBACH
TREASURER: K3GAS, DOC CUTLER
DIRECTORS:


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WB3JYO, PAUL DREXLER (2 Yrs)
WB2NPE, RICK CONNOR (2 Yrs)
WB3DNT, PAT CAWTHORNE (1 Yr)
WB2VLA, DAVE POWER (1 Yr)

VHF CONFERENCE CHAIRMAN:

WA2OMY, GARY HITCHNER
215-539-6409

HAMARAMA CHAIRMAN:

WB3DNT, PAT CAWTHORNE
215-672-5289

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CALENDAR OF COMING EVENTS

By Harry Brown, W3IIT

MARCH

- 6 Two Rivers Amateur Radio Club 16th Annual SWAP & SHOP at the Rostraver garden & Ice Arena. Talk-In on 146.13/73.
- 6 York Ham and Computer Winterfest, Dover, Pa. Talk-In on 146.37/.97 and 147.93/.33.
- 11-13 Orlando Hamcation and ARRL Florida State Convention at the Orlando Expo-Center.
- 12 Packrat Board of Directors Meeting at the QTH of WC2K. All interested parties welcome. Starts at 11:00 A.M. Call 609-268-0736 for directions.
- 12 Shore Points Amateur Radio Club is sponsoring SPRINGFEST '88 at the 4-H Fairgrounds at Egg Harbor City. Talk-In on 146.385/.985 and .52.
- 13 ARRL Hudson Division Convention at the Westchester Community College in Vahalla, N.Y. Talk-In on 146.91, 147.06, 224.4.
- 16 EME Perigee
- 17 St. Patrick's Day
- 17 March Meeting of the Mt. Airy VHF Radio Club at 8 P.M. at the Southampton Free Library on Street Road. The program will be the Annual Homebrew Night, so bring out your latest project (finished or still in work, working or almost).
- 18 New Moon (Eclipse of the Sun)
- 19 Third Annual North Jersey Hamfest at the Dover Armory, Rte. 15, Dover, N.J. Talk-In on 146.985/.385.
- 20 Death of Brendan Behan, Dublin 1964
- 26-27 Baltimore Amateur Radio Club Hamfest at Timonium, Md.
- 27 Delaware Valley Amateur Radio Association HAMCOM '88 at the N.J. National Guard Armory in Lawrence Township. Talk-In on 146.07/.67.

DUES ARE DUE

PACK-RAT HOMEBREW NITE

Our "Homebrew" does not refer to the old days liquid cheer but to the efforts by our members to construct and update equipment for Ham Radio use. Come out and see the latest techniques applied to the VHF, UHF & SHF spectrum from 50 Mhz to 10 Ghz.

* * *

A SPECIAL NOTICE BY WOODY HALDEMAN, W3PST

Germantown High School 50th reunion (Classes February and June) will be held on Sunday, 19 June 1988 at Williamsons Restaurant in Horsham, Pa. For additional information contact: Dave Phillips: 215-659-4453 or Pat Schaef: 215-672-1088.

A MESSAGE TO THE PACK-RATS

Thank you for your participation in the recent January SS Contest which was essential to the club's success. It looks like we've done it again.

The ARRL has initiated a new contest ruling that will apply to all clubs participating in ARRL sponsored contests. The rules appeared in the December 87 issue of QST explicitly stating that all amateurs wishing to contribute to a club score, must be active in club affairs. Additionally, members must attend at least 2 in-person club meetings a year to be eligible to be listed in the club participation. Failure to attend the minimum number of meetings will disqualify members from including their score with their club's total. The Mt. Airy VHF Radio Club needs your support to uphold our presence as the leaders in the VHF/UHF amateur community. Our overwhelming success in the January Sweepstakes has been possible only through the efforts of its members. Each member's score contributes a valuable part to the total. However, you will only be eligible to participate as a Packrat in next year's contest if and only if you attend 2 or more club meetings in 1988. If you are able to drive and are within driving distance of Southampton then two meetings a year should not pose a problem. However, not everyone is able to get to a monthly meeting because of a transportation or physical disability problem. Arrangements can be made to provide transport or perhaps we can even hold a Board of Directors meeting at your QTH. Please get in touch with Bob Cook, N3SB or Harry Stein, W3CL should you need assistance.

Come out and enjoy the friendship and activities that only the Pack-Rats can offer.

73,

Paul Drexler, WB3JYO

January 1988 Contest Chairman

* * *

PROPAGATION REPORT

Paul Drexler,

WB3JYO

Activity during the last month as been fairly sparse, probably as a result of the "post contest burnout" many of us usually experience. Thanks to Jay, KS2T for the 6 mtr info on page 5.... Its getting time to start looking for those traditional Springtime band openings - keep those receivers on and give a shout on the club repeater when you hear anything of interest. There was an aurora opening on the evening of Monday, Feb. 22, 1988.

* * *

AN UPDATE ON THE ATLANTIC DIVISION CONVENTION

FEBRUARY 17, 1988

This is an update on our Feb. 4, 1988 release concerning your Atlantic Div. ARRL Convention at Rochester on Friday, Saturday, and Sunday, May 20-21-22.

Dr. John Bartoe, W4NYZ, was scheduled to be our featured banquet speaker. Unfortunately, NASA has assigned him out-of-country duties during Hamfest weekend.

The Saturday evening awards banquet at the Rochester Thruway Marriott Inn, will be held as usual. Another speaker will be announced shortly.

New this year! Special tables at the banquet will be reserved for clubs and groups. Call or write for details.

An "Amateur of the Year" award will be made at that banquet. Nominations are open for worthy people. If you know someone who should be honored, send his/her name to the awards committee chairman, Richard Goslee, K2VCZ, 24 Elaine Drive, Rochester, NY 14623.

* * *

ICOM DAY AT DELAWARE Amateur Supply - 71 Meadow Rd.

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CONTACT: Doc Cutler, K3GAS
Phone: 215-635-1078

FOR SALE: Pr - 4CX1000 tubes \$85 ea. U.S. pr-EIMAC sockets & chimneys for 4CX1000 \$75 each U.S. 1 filament xformer \$15 OR 1 set of tube, socket, xformer \$150. Would consider trading any above for 3CX800 or 8877. Arcos 432 amp w/pr 8930 tubes; extra chimney and covers for 4CX250 - no relays, no supplies - have manual. Asking \$475 U.S. Prices F.O.B. NJ mid May-June. Drop off at WB2ONA QTH.

CONTACT: Stuart Truba, VE2FUT
Heidi Becker
2217 Pl. Dynastie
St. Lazare, QC JOP1VO CDA

FOR SALE: Yaesu FT-757GX General Coverage Transceiver good cond. \$585 obo. Yaesu FT-700 Transverter w/6 meter module good cond. \$2000 obo. Heathkit HD-4040 TNC Packet Controller w/status indicator & HF filter options \$100 obo. Lear Siegler ADM5 terminal (crt & keyboard) good cond. \$40 obo. or TNC & Terminal for \$125 (everything needed for packet except rig). TRS80 quick printer w/3 rolls paper (will work w/PCs) \$25 obo.

CONTACT: Mike (N3BBI) at 215-767-5891
8:30 am to 3:30 pm M-Fri. or
717-325-3580 after 4:30 PM
and weekends.

WANTED: 4CX1000A
CONTACT: Ed Barbacow, K3ZCY
330 Ceylon Road
Carmichaels, PA 15320

WANTED: Waveguide w/or without flanges - UG 52,51,40 - Waveguide relays - 90 sweeps. Multi-mode 2 meter rig.

CONTACT: Warren Whelan, WB2ONA
Phone: 201-257-3871

COMMERCIAL AD

LOOP YAGIS: 902 Mhz and 1296 Mhz \$77 kit, \$93 assembled & tested. 2304 Mhz \$67 kit & \$80 assembled. Also, 2 & 4 way pwr. dividers & stacking frames. LINEAR AMPLIFIERS. 1296-10W in 35W out, \$295. Call for special Pack-Rat discounts & prices on complete arrays! NEW!! Microwave Transverters & preamps by LMW ELECTRONICS, 2304 Mhz deluxe transverter Model 2304 TRV2D, 144 Mhz I.F. Power out 2 watts, includes separate GaAsFET preamp. NFI db and built-in T/R sequencing circuit, relative output meter & built-in I.F. attenuator to match inputs from 100 MW to 10 watts. Price complete \$569; 1296 deluxe transverter, model 1296TRV6D similar to 2304 unit 6-7 watts out. .7db N.F. \$489. Stripped down versions available at lower cost, also available in kit form, 902 Mhz version coming soon. Universal local Oscillator Kit model ULO. Multiple outputs in 1 and 1.2 Ghz range depending on xtal. \$33.75 less xtal. Write to obtain complete catalog. DOWN EAST MICROWAVE, Bill Olson, W3HQT, Box 2310 - R.D. 1, Troy, ME 04987. Phone: 207-948-3741.

* * *

A SIX METER NOTE FROM KS2T

1. U.K. beacon GB3SIX on 50.018 is off with not much chance of getting back on. The Brits are trying to get one on from Cornwall (Southwest England) and another has the go-ahead from Sheffield right on 50.000 Mhz. No word on when it will be on. Sheffield is in the center of England.
2. The French are now on 6 meters (confirmed by G4GLT) as long as they are 200 km from Paris, only 10 watts ERP is allowed. The RSGB VHF/UHF Newsletter states that from 150-200 km, 3 watts ERP may be used.
3. From Gabon, Philip Delcroix/TR8DX is on 6 meters with 40 watts and 4 elements according to the RSGB VHF/UHF Newsletter. TR8CA and TR8JLD are also interested.
4. ZD8VHF beacon should be on by mid-March on 50.0325 Mhz. 10 meter beacon on 28.292 some time after March. ZD8MB is on now.
5. DXpedition to Gibraltar by some Brits, operating dates are June 2-12th. (6 meters) All this stuff is from the VHF/UHF Newsletter (RSGB) or from Dave/G4GLT. Hope all is well with you Harry, you sounded good on Monday's net! Sorry I've been off for so long, it couldn't be helped. I'm still not sure if I'll be around regularly but certainly hope I will be. NOTE: Jay has 52 countries worked & confirmed on 6 meters!

A LETTER REPORT FROM FN42

February 7, 1988

Dear Doc:

Enclosed please find my check for my '88 dues. Sure did enjoy the January Contest this year. No ice, no snow and plenty of activity. Doubled my score from last year, over 20K this year. Worked a lot of Pack Rats too. Already have my goals for next year. Get more than 10W on 6M. (Hope my neighbors all have cable) And add 1296 and/or 903. Lots of activity up here on both of these bands. My unofficial results:

<u>Band</u>	<u>QSO's</u>	<u>Points</u>	<u>Grids</u>	
6M	41 x1	41	11	
2M	185 x 1	185	18	
220	41 x 2	82	13	
432	45 x 2	90	10	
		<u>398</u>	<u>52</u>	20,696

I am now looking forward to June. Hope the Pack Rats will need an operator who is familiar with Northeast contacts. By this way... how far into the boondocks are we going this year!

One last comment..when I mention that I'm a displaced Pack Rat, everyone up here asks if I can get you guys to turn your antennas NE, especially on activity nights. The Philadelphia area seems awful quiet to be the hams of the #1 VHF/UHF radio club in the U.S.!!

Time to go..I'll check into the nets when I can. Look for me on 220 & 432, especially activity nights.

73, W4LYHO, Gary Dallas

* * *

TID BITS

Sunspot No. for January 1988 = 59.6 Smoothed No. for July 1987 = 31.1.

21 members participated in the Contest recap meeting at Ron's (WA3AXV) QTH on February 13, 1988. The recap meeting was followed by the delayed Board meeting with some of our members who had never before attended a Director's meeting. Many thanks to Ron and family for the FB hospitality.

Members not seen for some time came to the "Crying Towel" - K3EOD, W3PST, W3FGQ and K3LYB - Walt, WA3AQA was busy checking the attendance sheet.

KS2T back on the air again - checked in on the 6 & 2 meter Monday nite nets.

We wish Gracie, XYL, George Van Dyke, W3HK a speedy recovery.

Received a letter from John, K3KTY. He expects to have his tower up soon. Also made comments about our lowered attendance at meetings.

Thanks to Jean Priestly, KA2YKN for submitting some meeting program ideas.

The list is impressive - and was turned over to our program chairman, N3CX, Dave Hackford.

Bill Murphy, W0RSJ won the "Crying Towel" - WA3NUF, Phil Miguez was second (he brought in a section of the bent antenna mast) and Walt Zumbach, WA3AQA was third.

Mark your calendar: LADIES NITE will be held on Saturday evening May 14, 1988 at the Warrington Motor Lodge, Warrington, Pa.

* * *

A REPORT OF 220 MHz MONDAY NIGHT NET ACTIVITY BY WC2K, RICK CONNOR

One night activity

Most check-ins = 21
Least check-ins = 7
Total Pack-Rats = 20

Total check-in info.

Number of stations = 59
Grids represented = 18
States represented = 12
Average check-ins = 16

* * *

MICRONESIAN VISITORS

By Nancy Vander Velde, AA6EA

In previous years, visitors traveled to Micronesia in Spanish galleons, New England whaling vessels, pirate ships, and Japanese submarines. Today, visitors arrive on modern jets and cruise ships. Yet, although the modes of transportation have changed, the reasons for going have remained very much the same -- Micronesia with its tropical sun and sparkling ocean has always been an ideal area to find a haven to relax, renew, and refresh.

The 2,000 islands and atolls of the Pacific which comprise Micronesia were first encountered by the Western World in 1521 during Ferdinand Magellan's historic around the world voyage. Later on, Guam became an important stop-over for the Manilla galleons, while during the mid-nineteenth century, Pohnpei and Kosrae became favorite winter retreats, for American whalers. A few decades later, Palau, Yap and the Marshalls were profitable locations for Germans to trade for dried coconut and sea cucumber.

Despite all of this international contact throughout the centuries, Micronesia has remained obscurely known, especially when compared to its romanticized neighboring island group, Polynesia. But slowly, ever slowly, visitors are realizing that the many varied islands of Micronesia are a perfect place to vacation.

These modern day "South Sea" travelers no longer bring with them whaling harpoons or calico cloth, but instead, scuba gear, camera gear, and for a privileged few, their amateur radios to enjoy the ultimate of a tropical DXpedition.

For those holding American licenses, transmitting from the U.S. territory of Guam, (KH2) of the United States' Commonwealth of the Northern Marianas, (KH0), is no problem. Guam with its bases is a particularly popular QTH for hams, especially those whose military assignment have taken them, less willingly than other Micronesian visitors, far from what they call home.

The rest of Micronesia until a few years ago was included with the Northern Marianas in the Trust Territory of the Pacific Islands. Now these other islands are in transission into three separate countries, The Republic of Palau, (KC6), the Federated States of Micronesia, consisting of Yap, Truk, Pohnpei, and Kosrae, (also KC6), and The Republic of the Marshalls, (KX6). These new nations are still in a semi-independent state with the United States and right now, some entities consider them U.S. while to others, they are foreign. For hams wishing to keep up their transmission time while visiting any of these islands, it is best to check with both parties first to see what the current status is.

But Micronesia is too large and diverse to fully discuss all at once. It spreads over an area of ocean approximately equal to that of the Continental United States. It includes a native population speaking over a half dozen distinct languages and doing things according to their own particular customs. This short introduction to the forgotten islands of the Pacific will be followed by a series of reports on Micronesia from an amateur radio operator's point of view. So, until then, just tie the antenna to a coconut palm and enjoy the sunset as the waves crash on the shore.

Yokwe, Len Mwo, Kaselhelia, Ran Annim, Hafa Adai...and, of course, 73s.

* * *

940 Arbolado Rd.
Santa Barbara, CA 93103

CONTACTS AND GRID SQUARES FOR EACH BAND

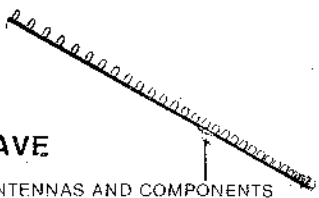
TOTAL

CALL	50	144	220	432	903	1296	2304	3456	GS	SCORE
WA3AXV	149 28	265 26	148 18	131 18	28 8	57 13	24 5		116	174464
WA3NUF	118 22	255 27	106 15	102 19	14 3	46 12	17 2		100	116500
WB3JYO	132 22	212 26	71 13	86 16	21 7	39 9	15 2		95	96710
KB3QM	106 27	270 35	53 21	88 23		32 9			115	90390
N3CX		89 10	107 17	125 20	24 6	36 6	22 5	1 1	65	63505
WASYUE	127 17	177 22	87 7	91 11	12 3	31 4			64	53248
W0RSJ	51 10	141 22	86 13	71 17	14 2	23 3	11 2		69	51198
WA3JUF		148 13	100 13	83 13	18 5	37 10	15 2	1 1	57	49134
K3LOM	147 20	261 26	77 11	79 10					67	48240
W2EIF	36 4	159 17	105 13	73 15	8 2	32 6	8 2		61	47275
N3EAX	60 14	354 44		70 18					76	42104
AK3O	33 6	140 15	87 9	61 9	7 2	15 2	10 2		45	28665
N3BBI	128 23	103 16	77 5			34 9			53	27613
K3ILV	61 9	156 12	97 4	101 14		8 2			41	26445
K3GYS	47 11	247 21	53 7	45 5		16 3			47	26038
WB3DNI		198 17	52 2	81 11		26 2	15 2		34	23392
KA2JKI	36 7	144 18	38 12	54 13					53	21836
WB3IGR	72 11	200 15	78 3	76 8					37	21460
WA3AGA	91 16	167 15	76 8	39 4					43	20984
W3IIT	109 17	181 14	65 2	48 4					37	19092
W3CL	59 8	147 12	97 9	64 5					34	17952
K3BPP	31 3	139 16	48 2	73 7		15 2	10 2		32	17664
K3ACR	93 12	165 15	95 9						36	16128
WB3KRW	41 5	202 18		78 14					37	14763
K3DMA	48 8	114 9	63 2	48 2					21	8064
W3GXB		145 14	26 4	66 6					24	7896
W3NSI		105 13	62 2	45 6					21	6699
N2CG		77 16	13 7	19 7					39	6201
WA3IWT	42 5	45 4	52 3	37 4		11 2			18	5562
WB2VLA	47 6	58 10	50 2	27 3					21	5439
W3CXU	24 4	53 7	69 4	31 3					18	4986
KB3XG	38 5	64 6	48 2	53 3					16	4864
K3GAB	44 5	67 6	32 2	24 2					15	3345
WA3IAC		139 11	59 2						13	3341
W3CJU	17 4	42 4	39 2	27 2					12	2292
WB2BJH		125 17							17	2125
K3PHY		161 5	55 2						7	1897
W3HK	17 4	28 3	36 2	22 2					11	1771
W3FEY		109 16							16	1744
K3LYB	127 13								13	1651
WA3TEM		81 5	60 3						8	1608
K3VYG	24 3	51 3	50 2						8	1400
W3BRU		121 11							11	1331
WB3HHQ		72 2	58 2						4	752
WA3IMT	54 9	6 2							11	660
W2GGB		89 2	32 2						4	612
WA3HIT		42 2	46 2						4	536
WB2RXM		42 2	25 2						4	368
K3DLS			55 2						2	220
W3AJF			5 1						1	10
W3HMU	25 2		72 2						4	676

MULTI-OP STATIONS

N2SB W/N2ASC, WC2K, NF2L, WB2RVX, WB8ZAR, KA1GD, KM3T, WA2VYA	318 48	679 60	189 32	247 33	29 9	70 17	27 7		206	511086
WA20MY W/AA2Z, W10D	218 34	488 44	141 21	159 25	21 6	49 12	17 2	1 1	145	250850
W3KKN W/W3ZD	153 23	241 23	101 13	91 15		31 4	18 2		80	83680
WB2JHG W/WB2ONA, KA2JLI	24 3	177 23	78 11	85 15	20 4	32 7	18 3		66	58014
W3VIR W/WA3NFV	24 2	130 17	26 2	14 4		21 6	6 2		33	12078
WB3IND W/K3JJZ	82 8	205 17	48 2						27	10341
WA3FOF W/K3HW	50 6	178 14	53 2						22	7348

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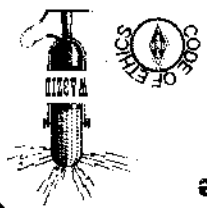
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